

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. P00034		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-OAR-18-01231	
5. PROJECT NO. (If applicable)		6. ISSUED BY RTPPOD US Environmental Protection Agency 109 T.W. Alexander Drive Mail Code: E105-02 Research Triangle Park NC 27709		7. ADMINISTERED BY (If other than Item 6)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) INDUSTRIAL ECONOMICS, INCORPORATED 2067 MASS AVE STE 4 CAMBRIDGE MA 021401340		9A. AMENDMENT OF SOLICITATION NO. (x)		9B. DATED (SEE ITEM 11)	
CODE 007977887 FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-D-14-032		10B. DATED (SEE ITEM 13) 09/12/2014	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended.  is not extended.  
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

Net Increase: \$125,000.00

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	Option to Extend the Term of the Contract - Cost Type Contract (EPAAR 1552,217-71) (APR 1984) Deviation

**E. IMPORTANT:** Contractor  is not.  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 007977887

"Benefits and Other Relevant Analyses and Methods Development for Evaluation of Air Pollution Control Policies."

Max Expire Date: 09/15/2019

The purpose of this modification is as follows:

- 1) Exercise option period IV.
- 2) Incrementally fund option period Iv in the amount of \$125,000.00.

All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Henry Roman, Principal		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Natalia Fisher-Jackson	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 08/07/2018	18B. UNITED STATES OF AMERICA Natalia Fisher Jackson (Signature of Contracting Officer)	18C. DATE SIGNED 08/08/2018

NSN 7540-01-152-8070  
Previous edition unusable

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE PAGE OF PAGES  
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2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE  
 P00034 See Block 16C

4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 PR-OAR-18-01231

6. ISSUED BY CODE  
 RTPPOD 7. ADMINISTERED BY (If other than Item 6) CODE  
 RTPPOD  
 US Environmental Protection Agency  
 109 T.W. Alexander Drive  
 Mail Code: E105-02  
 Research Triangle Park NC 27709

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) (x) 9A. AMENDMENT OF SOLICITATION NO.  
 INDUSTRIAL ECONOMICS, INCORPORATED  
 2067 MASS AVE ,STE 4  
 CAMBRIDGE MA 021401340

9B. DATED (SEE ITEM 11)  
x 10A. MODIFICATION OF CONTRACT/ORDER NO.  
 EP-D-14-032

10B. DATED (SEE ITEM 13)  
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X	D. OTHER (Specify type of modification and authority) Option to Extend the Term of the Contract - Cost Type Contract (EPAAR 1552.217-71) (APR 1984) Deviation

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DUNS Number: 007977887  
 "Benefits and Other Relevant Analyses and Methods Development for Evaluation of Air Pollution Control Policies."  
 Max Expire Date: 09/15/2019  
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All other terms and conditions remain unchanged.  
 Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Natalia Fisher-Jackson	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-D-14-032/P00034

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NAME OF OFFEROR OR CONTRACTOR  
INDUSTRIAL ECONOMICS, INCORPORATED

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>LIST OF CHANGES: Reason for Modification: Exercise an Option Total Amount for this Modification: \$0.00 New Total Amount for this Version: \$3,200,472.28 New Total Amount for this Award: \$9,735,887.33 Obligated Amount for this Modification: \$125,000.00 New Total Obligated Amount for this Award: \$3,537,733.59 Incremental Funded Amount changed: from \$3,412,733.59 to \$3,537,733.59 CHANGES FOR LINE ITEM NUMBER: 50001 Exercised option FOB changed from Destination to</p> <p>CHANGES FOR LINE ITEM NUMBER: 5 Obligated Amount for this Modification: \$125,000.00 Incremental Funded Amount changed from \$0.00 to \$125,000.00 Exercised option FOB changed from Destination to</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 18-19-B-53I6-000A58-2505-1853IP8014-001 Beginning FiscalYear 18 Ending Fiscal Year 19 Fund (Appropriation) B Budget Organization 53I6 Program (PRC) 000A58 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1853IP8014-001 Quantity: 0 Amount: \$50,000.00 Percent: 6.07501 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>NEW ACCOUNTING CODE ADDED: Continued ...</p>				



**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-D-14-032/P00034

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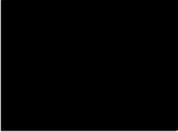
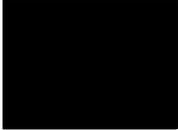
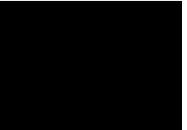
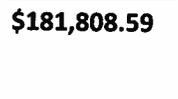
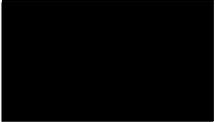
NAME OF OFFEROR OR CONTRACTOR  
INDUSTRIAL ECONOMICS, INCORPORATED

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711				

1. The Section B Clauses entitled: B.1 "LEVEL OF EFFORT – COST REIMBURSEMENT TERM CONTRACT" EPAAR 1552.211-73; B.3 "ESTIMATED COST AND FIXED FEE "(EP 52.216-190) (APR 1984) and B.4 "LIMITATION OF FUNDS NOTICE" (EP 52.232-100) (APR 1984) are modified and combined in the "CLAUSE RECAPITULATION"

The text is as follows:

LIMITATION OF FUNDS NOTICE /RECAPITULATION. In accordance with the "Limitation of Funds" Clause, additional funding is being provided for **option period II** by this modification. The "Limitation of Funds Notice" Clause of the contract is modified as follows to reflect the current amounts allotted for cost and fee and the periods for which the funding is estimated to cover:

<b>Base Period</b>	<b>Prior Amount</b>	<b>This Mod</b>	<b>New Amount</b>
<b>Estimated Cost</b>			
<b>Fixed Fee</b>			
<b>Cost Plus Fixed Fee</b>	<b>\$746,746.76</b>		<b>\$746,746.76</b>
<b>Allotted Cost</b>			
<b>Reserved for Fee</b>			
<b>Limitation of Funds</b>	<b>\$181,808.59</b>	<b>\$0.00</b>	<b>\$181,808.59</b>
<b>Option Period 1</b>	<b>Prior Amount</b>	<b>This Mod</b>	<b>New Amount</b>
<b>Estimated Cost</b>		<b>\$0.00</b>	
<b>Fixed Fee</b>		<b>\$0.00</b>	
<b>Cost Plus Fixed Fee</b>	<b>\$1,219,845.06</b>	<b>\$0.00</b>	<b>\$1,219,845.06</b>
<b>Allotted Cost</b>		<b>\$0.00</b>	
<b>Reserved for Fee</b>			
<b>Limitation of Funds</b>	<b>\$744,947.87</b>	<b>\$0.00</b>	<b>\$744,947.87</b>

<b>Option Period 2</b>	<b>Prior Amount</b>	<b>This Mod</b>	<b>New Amount</b>
<b>Estimated Cost</b>		<b>\$0.00</b>	
<b>Fixed Fee</b>		<b>\$0.00</b>	
<b>Cost Plus Fixed Fee</b>	<b>\$1,946,876.88</b>	<b>\$0.00</b>	<b>\$1,946,876.88</b>
<b>Allotted Cost</b>			
<b>Reserved for Fee</b>			
<b>Limitation of Funds</b>	<b>\$1,488,616.74</b>	<b>\$0.00</b>	<b>\$1,488,616.74</b>
<b>Option Period 3</b>	<b>Prior Amount</b>	<b>This Mod</b>	<b>New Amount</b>
<b>Estimated Cost</b>		<b>\$0.00</b>	
<b>Fixed Fee</b>			
<b>Cost Plus Fixed Fee</b>	<b>\$1,159,308.27</b>	<b>\$0.00</b>	<b>\$1,159,308.27</b>
<b>Allotted Cost</b>		<b>\$0.00</b>	
<b>Reserved for Fee</b>		<b>\$0.00</b>	
<b>Limitation of Funds</b>	<b>\$994,360.43</b>	<b>\$0.00</b>	<b>\$994,360.43</b>

<b>Option Period 4</b>	<b>Prior Amount</b>	<b>This Mod</b>	<b>New Amount</b>
<b>Estimated Cost</b>		\$ [REDACTED]	\$ [REDACTED]
<b>Fixed Fee</b>		\$ [REDACTED]	\$ [REDACTED]
<b>Cost Plus Fixed Fee</b>		\$ 823,043.80	\$ 823,043.80
<b>Allotted Cost</b>		\$ [REDACTED]	\$ [REDACTED]
<b>Reserved for Fee</b>		\$ [REDACTED]	\$ [REDACTED]
<b>Limitation of Funds</b>		\$ 125,000.00	\$ 125,000.00